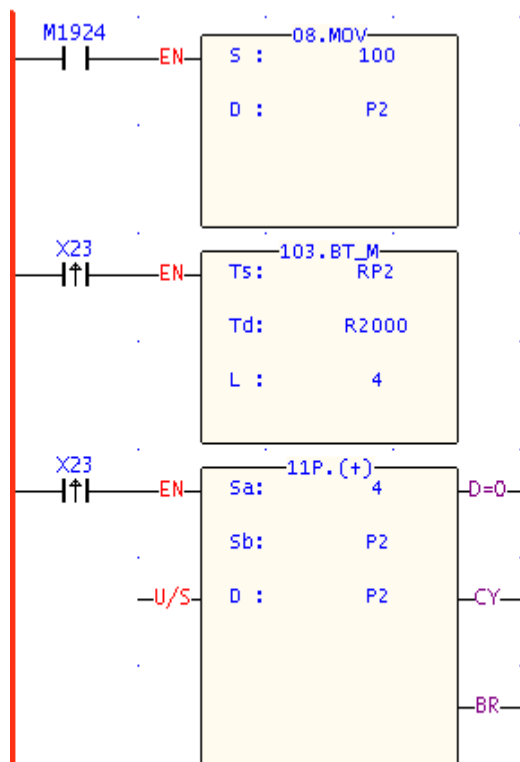


## Description for V、Z &amp; P0~P9 Index Register

- The FBS series PLC (OS version V4.XX) supports V、Z & P0~P9 in total 12 index registers for indirect addressing application.
- In indirect addressing application, Rxxxx register can combine V、Z & P0~P9 for index addressing; Dxxxx register can't combine V、Z for index addressing, but P0~P9 are allowed.
- When V、Z index register being combined with the Rxxxx register, for example, R0 with V、Z, the instruction format is R0V(where V=100, it means R100) or R0Z(where Z=500, it means R500); when P0~P9 index register being combined with the Rxxxx register, the instruction format is RPn (n=0~9) or RPmPn (m,n=0~9), for example RP5 (where P5=100, it means R100) or RP0P1(where P0= 100, P1=50, it means150).
- When P0~P9 index register being combined with the Dxxxx register, the instruction format is DPn (n=0~9) or DPmPn (m,n=0~9), for example DP3 (where P3=10, it means D10) or DP4P5 (where P4=100, P5=1, it means D101).
- It can combine both P0~P9 index register, for example P2=20, P3=30, when Rxxxx or Dxxxx register combines both index register, RP2P3 will point to R50, DP2P3 will point to D50, it means the summation of both index register for indirect addressing.



1. Index register P2=100 while power up or first run.
2. When X23 changes from 0→1, FUN103 will perform the table movement, the source starts from R100 (P2=100), the destination starts from R2000, the amount is 4. Copying the content of R100~R103 for R2000~R2003 at first execution, copying the content of R104~R107 for R2000~R2003 at second execution...
3. Increasing the P2 index register by 4 to point to next 4 words.